

C-13-UW-43-A16



13 dB, Air Directional Coupler, 555–6000 MHz

Product Classification

Regional Availability Asia | Australia/New Zealand | EMEA | Latin America | North America

Product Type Directional coupler

General Specifications

Device Type Coupler

Application Indoor/Outdoor

Color White

Inner Contact Plating Silver

Interface 4.3-10 Female

Outer Contact Plating Trimetal

Dimensions

Height 22 mm | 0.866 in

Width 72 mm | 2.835 in

Length 159 mm | 6.26 in

Electrical Specifications

3rd Order IMD -165 dBc

3rd Order IMD Test Method Two +43 dBm carriers

Insertion Loss at Frequency Band 0.5 dB @ 555–6000 MHz

Average Power, maximum 300 W

Coupling 13 dB

Coupling Tolerance ±1.3dB

Impedance 50 ohm

Isolation at Frequency Band 26 dB @ 4900–6000 MHz | 29 dB @ 3800–4900 MHz | 31 dB @ 2700–3800 MHz | 33 dB @ 555–2700 MHz

Operating Frequency Band 555 – 6000 MHz

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Peak Power, maximum	1 kW
Reflected Power, maximum	200 W
VSWR at Frequency Band	1.25:1 @ 2700–3800 MHz 1.2:1 @ 555–2700 MHz 1.3:1 @ 3800–6000 MHz

Mechanical Specifications

Coupling Nut Proof Torque	7 N-m 61.955 in lb
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Environmental Specifications

Operating Temperature	-35 °C to +85 °C (-31 °F to +185 °F)
Relative Humidity	Up to 100%
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Height, packed	45 mm 1.772 in
Width, packed	98 mm 3.858 in
Length, packed	180 mm 7.087 in
Weight, gross	0.44 kg 0.97 lb
Weight, net	0.38 kg 0.838 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system